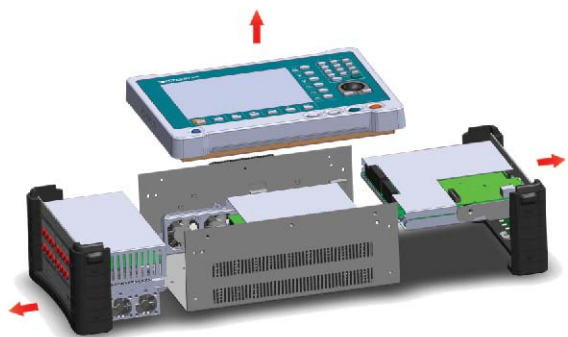




Modular structure

- Revolutionary modular structure design with only 4 modules.
- Disassembling and assembling work can be completed in less than 15 minutes.
- Easy local maintenance by our local agent or even by user himself.



Local control

- Quick operation and convenient button control
- built-in industrial mouse
- 10.4 inch color LCD display
- 20 built-in test-ready modules capable for testing all type of relays
- More optional test modules can be added upon user request
- Report can be saved to flash drive through USB port



External PC control

- POM2 can also be controlled via PowerTest relay test software runing on external PC



Configuration Examples

- POM2-6143: 6×15A, 4×300
- POM2-3243: 3×20A, 4×300V

POM2-6143 Typical Specifications

	POM2-6143	POM2-3243
Current	6×15Aac/dc	3×20Aac/dc
Voltage	4×300Vac/dc	4×300Vac/dc
Frequency	dc ... 1kHz	
Phase angle	-360° - +360°	
DC measurement	±10V, ±20mA	
Binary inputs	8: 0-400V dc or ac(peak) with adjustable threshold or potential free	
Binary outputs	4	
Auxiliary DC	0-300V	
IEC61850 GOOSE	Support	
IEC61850 sampled value	optional	
Dimension	390x287x194mm(WHD)	
Weight	13.6kg (with control panel)	
Power Supply	110-240Vac,50-60Hz	

Application

Relay test:

- Line protection
- Differential protection
- Directional relay
- Time-inversed current relay
- Auto-reclosing, etc

Measuring and control device:

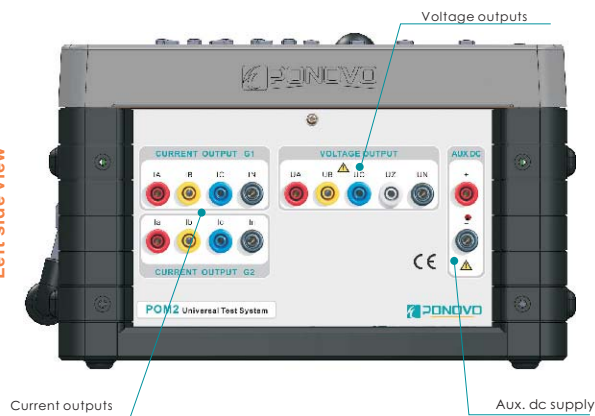
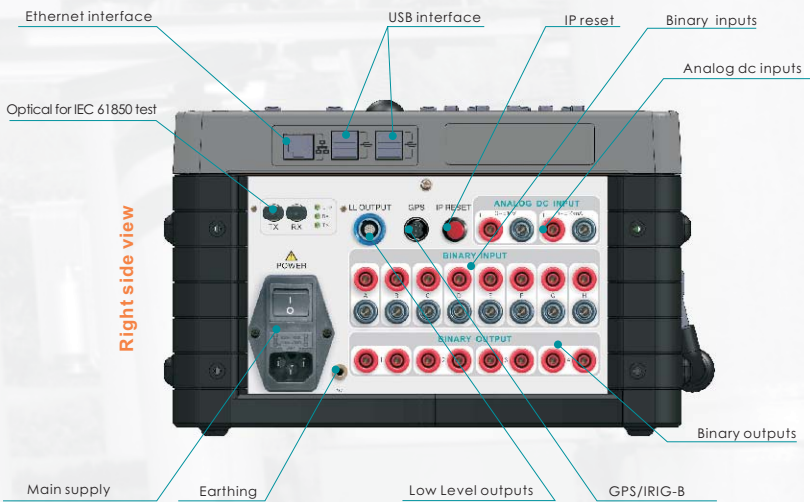
- Synchronizer
- Transducer
- Energy meter
- df/dt, etc

System simulation:

- Transient, steady-state fault simulation
- Playback of COMTRADE format file

Calibration:

- 0.5 Class energy meter
- disturbance recorder
- indicating meters, etc



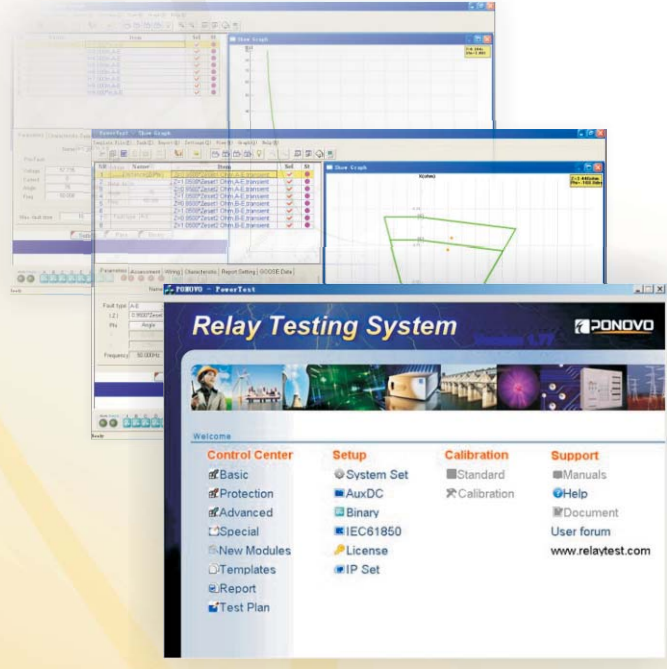
Sides layout for POM2-6143 Universal Test System

» Local control test modules for POM2 series

Module	Description	POM2-6143	POM2-3243
QuickTest (4V,3I)	Manually or automatically control over 4 voltage and 3 current sources	✓	✓
QuickTest(4V,6I)	Manually or automatically control over 4 voltage and 6 current sources	✓	-
Ramp	Realize the ramping for different quantities in 3 current mode	✓	✓
State Sequence(4V,3I)	Flexible edit of test sequences in 3 current and 4 voltage mode	✓	✓
State Sequence(4V,6I)	Flexible edit of test sequences in 6 current and 4 voltage mode	✓	
Directional	Check directional Relay	✓	✓
Time	Check the tripping time	✓	✓
Distance(R-X)	Check zone settings(R-X) of impedance relay	✓	✓
Distance(Z-Phi)	Check zone settings (Z-Phi) of impedance relay	✓	✓
Differential (3I)	Check IR/ID characteristic of different relay with 3 currents	✓	✓
Differential(6I)	Check IR/ID characteristic of different relay with 6 currents	✓	-
Time Inversed Current	Check time inversed current relay based on IEC standard	✓	✓
Frequency Relay	Check under frequency relay	✓	✓
Harmonic	Edit harmonic components to the output	✓	✓
Auto-Reclosing	Check Auto-reclosing function	✓	✓
TransPlay(4V,3I)	Play back COMTRADE format file	✓	✓
U,I,T Relay (DC)	Check ac type auxiliary relay and time relay	✓	✓
U,I,T Relay (AC)	Check dc type auxiliary relay and time relay	✓	✓
Voltage Relay	Check voltage relay	✓	✓

» PowerTest Relay Test Software

- Modular software design, easy to build comprehensive test plan
- More than 50 test-ready modules to meet various test requirement
- Can work with flexible relay test templates to improve efficiency and save time
- Compatible with Windows XP, Windows 7, Windows 2000



subject to modification

PONOVO POWER CO., LTD.
2F,4Cell, Tower C, In.Do Mansion,
No.48A Zhichun Road, Haidian District
Beijing, PR China (100098)
Tel.+86 (10) 8275 5151(reception)
Tel. +86 (10) 8275 5151ext.8887
Fax. +86 (10) 8275 5151-8103
support@relaytest.com
info@relaytest.com
www.relaytest.com



Subject to modification without notice
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POM2

Universal Test System



www.relaytest.com